MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
IT -	79263=00			
KST -	158525 -			
PSP -	257604 -			
URC -	39631 -			
CSP -	3963 -			
ROY -	41573 -			
FDR -	13463 -			
	594022=00			

Bill No. 1st and final

BR 369/30-9-14

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work Improvements to Roads and Drains at Aigal From ..... To layout in WNO. 6

Name of Contractor of nature of Agency KRIDL

Date of commencement of work .....

251738

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Work code No: 006-14-000057						
	Work order No:						
	EST Amt: Rs. 25.00 lakhs						
	Date of Recording: 8.8.2014						
1)	Earth work excavation by manual means in hard soil including carriage horizontal throw upto 2m and average lift upto 0.5m excavated surface levelled and sides neatly dressed the disposed earth etc complete as per specification.						
	Desilting of drains Road:	2	30.00	0.45	0.35	9.45	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.00	0.45	0.45	12.15	
		2	30.00	0.45	0.30	8.10	
		2	14.00	0.45	0.45	5.67	
	Road 2	2	30.00	0.45	0.40	10.80	
		2	30.00	0.45	0.35	9.45	
		2	20.80	0.45	0.45	8.42	
	Road 3	2	30.00	0.45	0.35	9.45	
		2	30.00	0.45	0.45	12.15	
		2	30.00	0.45	0.35	9.45	
		2	30.00	0.45	0.45	12.15	
		2	30.00	0.45	0.35	9.45	
		2	6.20	0.45	0.30	1.67	
	Road 4	2	30.00	0.45	0.30	8.10	
		2	30.00	0.45	0.30	8.10	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency ..

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Berm cutting Road 1
	Road 2
	Road 3

NT BOOK

nensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
	0.45	0.45	12.15	
	0.45	0.30	8.10	
	0.45	0.45	5.67	
	0.45	0.40	10.80	
	0.45	0.35	9.45	
	0.45	0.45	8.42	
	0.45	0.35	9.45	
	0.45	0.45	12.15	
	0.45	0.35	9.45	
	0.45	0.45	12.15	
	0.45	0.35	9.45	
	0.45	0.30	1.67	
	0.45	0.30	8.40	
	0.45	0.30	8.10	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251739

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		2	30.00	0.45	0.30	8.10	
		2	15.00	0.45	0.30	4.05	
	Berm cutting Road 1	2	30.00	1.00	0.20	12.00	
		2	30.00	1.35	0.30	24.30	
		2	30.00	1.25	0.25	18.75	
		2	14.00	1.00	0.30	8.40	
	Road 2	2	30.00	0.90	0.25	13.50	
		2	30.00	0.90	0.30	18.00	
		2	20.80	1.20	0.30	14.98	
	Road 3	2	30.00	1.00	0.30	18.00	

pth 6	Contents 7	Reference to last Measureme 8
	99.00	
	99.00	
	20.46	
	99.00	
	99.00	
	99.00	
	99.00	
	99.00	
	99.00	
	16.50	
	1732.50 Rm	
C	50.11/Rm	86816=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251741

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
3)	Refixing stone slabs of drains and pointing in CM(1:3) etc complete as per specification.						
	Road 1	2	30.00	-	1.65	99.00	
		2	30.00	-	1.65	99.00	
		2	14.00	-	1.65	46.20	
	Road 2	2	30.00	-	1.65	99.00	
		2	30.00	-	1.65	99.00	
		2	20.80	-	1.65	68.64	
	Road 3	2	30.00	-	1.65	99.00	
		2	30.00	-	1.65	99.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Road 4	2	30.00	-	1.65	99.00	
		2	25.00	-	1.65	82.50	
		2	6.20	-	1.65	20.46	
		2	30.00	-	1.65	99.00	
		2	30.00	-	1.65	99.00	
		2	30.00	-	1.65	99.00	
		2	30.00	-	1.65	99.00	
		2	20.00	-	1.65	66.00	
		2	5.00	-	1.65	16.50	
						1386.00 kg	
					@	70.04/kg	97075.00

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
4)	providing granite slab cement mortar (1:6) in complete as per specifi
	Road 1
	Road 2
	Road 3

BOOK

ions		Contents	Reference to last Measureme
Breadth 5	Depth 6	7	8
-	1.65	99.00	
-	1.65	82.50	
-	1.65	20.46	
-	1.65	99.00	
-	1.65	99.00	
-	1.65	99.00	
-	1.65	99.00	
-	1.65	66.00	
-	1.65	16.50	
		1386:00 Rm	
	@	70.04/Rm	97075:00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251742

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	4) providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc complete 7.5 cms thick etc complete as per specification.						
	Road 1	2	20.00	-	1.65	66.00	
		2	18.00	-	1.65	59.40	
	Road 2	2	20.00	-	1.65	66.00	
		2	14.00	-	1.65	46.20	
	Road 3	2	15.00	-	1.65	49.50	
		2	18.00	-	1.65	59.40	
						396.00 Rm	136002:00
						@ 343.44/Rm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5)	Scarifying existing stone metal layer upto 75 mm thick along with their bituminous surface picking up scarified material and stacking of old serviceable material with lead of 100 m sequential spreading to complete.						
	Road 1						
		1	30.00	$\frac{(5.0+4.8)}{2}$	–	147.00	
		1	30.00	$\frac{(4.8+4.7)}{2}$	–	142.50	
		1	30.00	4.70	–	141.00	
		1	14.00	$\frac{(4.7+5.7)}{2}$	–	72.80	
	Road 2						
		1	30.00	4.00	–	120.00	
		1	30.00	$\frac{(4.0+4.6)}{2}$	–	129.00	
		1	20.80	4.60	–	95.68	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Road 3
	Road 4

BOOK

s		Contents	Reference to last Measureme
adth 5	Depth 6	7	8
s mm thick along with their			
aterial and stacking of old			
ntial spreading to complete.			
+4.8)	–	147.00	
+4.7)	–	142.50	
70	–	141.00	
+5.7)	–	72.80	
00	–	120.00	
+4.6)	–	129.00	
60	–	95.68	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 251743

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Road 3	1	30.00	(5.4+5.1)	–	157.50	
		1	30.00	(5.1+5.2)	–	154.50	
		1	30.00	(5.2+5.1)	–	154.50	
		1	30.00	(5.1+5.0)	–	151.50	
		1	30.00	(5.0+5.2)	–	153.00	
		1	6.20	(5.2+5.1)	–	31.93	
	Road 4	1	30.00	5.00	–	150.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(5.0+4.8)/2	-	147.00	
		1	30.00	(4.8+4.9)/2	-	145.50	
		1	30.00	(4.9+5.0)/2	-	148.50	
		1	30.00	5.00	-	150.00	
		1	30.00	(5.0+4.8)/2	-	147.00	
		1	20.00	(4.8+4.95)/2	-	97.50	
						2685.00 Rm	
						@ 72.74/Rm	191074.10

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪವಿಭಾಗ

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
b)	Measurement
b)	providing laying spread mix macadam specified OMC in mechanical mix
	Road.

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
00	(5.0+4.8) -		147.00	
00	(4.8+4.9) -		145.50	
0	(4.9+5.0) -		148.50	
00	5.00 -		150.00	
0	(5.0+4.8) -		147.00	
0	(4.8+4.95) -		97.50	
			2625.10 Rm	
			@ 72.79/Rm	191074.10

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಕಾರ್ಯ ವಿಭಾಗ.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251741

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
b)	Measurement continued on: 16.9.2014						
b)	providing laying spreading and compacting graded stone aggregates to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant carriage etc complete as per specification.						
	Road 1	1	30.00	(5.0+4.8)	0.20	29.40	
		1	30.00	(4.8+4.7)	0.20	28.50	
		1	30.00	4.70	0.20	28.20	
		1	14.00	(4.7+5.7)	0.20	14.56	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Road 2	1	30.00	4.00	0.20	24.00	
		1	30.00	(4.0+4.6)	0.20	25.80	
		1	20.80	4.60	0.20	19.14	
	Road 3	1	30.00	(5.4+5.1)	0.20	31.50	
		1	30.00	(5.1+5.2)	0.20	30.90	
		1	30.00	(5.2+5.1)	0.20	30.90	
		1	30.00	(5.1+5.0)	0.20	30.30	
		1	30.00	(5.0+5.2)	0.20	30.60	
		1	6.20	(5.2+5.1)	0.20	6.39	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Road 4

NT BOOK

ensions		Contents	Reference to last Measurem
Breadth 5	Depth 6	7	8
4.00	0.20	24.00	
(4.0+4.6)	0.20	25.80	
4.60	0.20	19.14	
(5.4+5.1)	0.20	31.50	
(5.1+5.2)	0.20	30.80	
(5.2+5.1)	0.20	30.80	
(5.1+5.0)	0.20	30.30	
(5.0+5.2)	0.20	30.60	
(5.2+5.1)	0.20	6.39	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251745

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Road 4	1	30.00	5.00	0.20	30.00	
		1	30.00	(5.0+4.8)	0.20	29.40	
		1	30.00	(4.8+4.8)	0.20	29.10	
		1	30.00	(4.9+5.0)	0.20	29.70	
		1	30.00	5.00	0.20	30.00	
		1	30.00	(5.0+4.8)	0.20	29.40	
		1	20.00	(4.8+4.85)	0.20	19.10	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						525=00 sq m @ 1121.04/sq m	
	Assistant Executive Engineer Byatarayanapura Sub Division B.B.M.P. Bangalore					588546=00	
	Measurement continued on: 24-[illegible] ಭೈರಾಯನಪುರ ಉಪ.						
7)	cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms etc complete as per specification						
	Qty vide Same as Item No. 2625=00 sq m				⑤	@ 10.53/sq m 27641=00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	
1	2	
8)	providing and applying ... high porosity over prep ... any other bitumen mix ...	
9)	providing and laying ... 120 TPH batch type H ... using crushed aggregate ... etc complete.	

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		525=00 cu	
		@ 1121.04/cu	
		588546=00	
		ಸಹಾಯಕ ಅಭಿಯಂತರರು,	
		ಉಪ. 24- ಚಿಕ್ಕಬಳ್ಳಾಪುರ ಉಪ.	
face including removing &			
ter with wire brushes and			
mplete as per specification			
as Item No. 5		2625=00 Rm	
		@ 10.53/Rm	27641=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 251746

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
8)	providing and applying primer coat from 12.2 to 14.6 kg per 10 sqm for surface of high porosity over prepared surface of granular base with cut back MC-70 or any other bitumen mix with dosed at 13 kg per 10 sqm etc complete.						
	Qty vide same as Item No: (7)					2625.00 Sqm	
						@ 142.07/Sqm	372934=00
9)	Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder etc complete.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Road 1	1	30.00	(5.0+4.8)/2	0.025	3.68	
		1	30.00	(4.8+4.7)/2	0.025	3.50	
		1	30.00	4.70	0.025	3.53	
		1	14.00	(4.7+5.7)/2	0.025	1.82	
	Road 2	1	30.00	4.00	0.025	3.00	
		1	30.00	(4.0+4.6)/2	0.025	3.23	
		1	20.80	4.60	0.025	2.39	
	Road 3	1	30.00	(5.4+5.1)/2	0.025	3.94	
		1	30.00	(5.1+5.2)/2	0.025	3.86	
		1	30.00	(5.2+5.1)/2	0.025	3.86	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	Road 4	

T BOOK

sions		Contents	Reference to last Measurem
Breadth 5	Depth 6	7	8
(5·0+4·8)	0·025	3·68	
(4·8+4·7)	0·025	3·58	
4·70	0·025	3·53	
(4·7+5·7)	0·025	1·82	
4·00	0·025	3·00	
(5·0+4·6)	0·025	3·23	
4·60	0·025	2·39	
(5·4+5·1)	0·025	3·94	
(5·1+5·2)	0·025	3·86	
(5·2+5·1)	0·025	3·86	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251747

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Road 4	1	30·00	(5·1+5·0)	0·025	3·79	
		1	30·00	(5·0+5·2)	0·025	3·83	
		1	6·20	(5·2+5·1)	0·025	0·80	
		1	30·00	5·00	0·025	3·75	
		1	30·00	(5·0+4·8)	0·025	3·68	
		1	30·00	(4·8+4·9)	0·025	3·64	
		1	30·00	(4·9+5·0)	0·025	3·71	
		1	30·00	5·00	0·025	3·75	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	(5.0+4.8)	0.025	3.68	
		1	20.00	(4.8+4.95)	0.025	2.64	
						65.63 cum	
						@ 9981.36/cum	
						655077=00	
10)	Lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading etc complete						
		Qty vide same as Item No (1)				458.36 cum	
						@ 72.71/cum	
						33182=00	

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	certificate:
	certified that

T BOOK

nsions		Contents	Reference to last Measurem
Breadth 5	Depth 6	7	8
(5.0+4.8) 0.025		3.68	
(4.8+4.85) 0.025		2.64	
		65.63 cum	
		@ 9981.36/cum	
		655077=00	
payable at carriage rates			
ding and unloading etc			
ure as Item No		450.30 cum	
		(1)	
		@ 72.71/cum	
		33182=00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251748

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
							22,31,927=00
	KRIDL charges @				11%		2,45,512=00
	TPI charges @				1%		22,319=00
					Total		24,99,758=00
							24,77,439=00

Certificate:

Certified that the work done is satisfactorily.

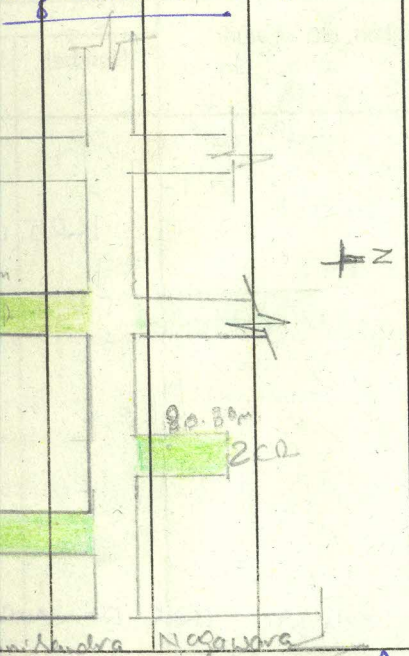
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

24/9/14

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ.

ENT BOOK

mensions			Contents	Reference to last Measurem
h	Breadth 5	Depth 6	7	8
			work done spot:	



M. A. R. 57 (Rule 116)
Measurement Book

No. B

251749

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		24774390=00	373355=00			DT - 49542 KST - 99058 FB2 - 161034 LAR - 24774 CAPT - 2277 ROY - 36623 TOTAL - 373355=00	

24/9/14